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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/001,848

DATE: 12/11/2001  
TIME: 11:54:19

Input Set : A:\3081-A.txt  
Output Set: N:\CRF3\12112001\I001848.raw

ENTERED

3 <110> APPLICANT: Chipman, Stewart D.  
4 Schooley, Kenneth A.  
5 Born, Teresa L.  
6 DuBose, Robert F.  
8 <120> TITLE OF INVENTION: METHODS OF USING IMXP-888 AND IMXP-888 ANTAGONISTS  
10 <130> FILE REFERENCE: 3081-A  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/001,848  
13 <141> CURRENT FILING DATE: 2001-11-20  
15 <150> PRIOR APPLICATION NUMBER: US 60/252,785  
16 <151> PRIOR FILING DATE: 2000-11-22  
18 <160> NUMBER OF SEQ ID NOS: 3  
20 <170> SOFTWARE: PatentIn version 3.1  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 529  
24 <212> TYPE: PRT  
25 <213> ORGANISM: Mus musculus  
27 <400> SEQUENCE: 1  
29 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Gly Ala Leu Pro  
30 1 5 10 15  
33 Ser Ala Glu Ala Ala Arg Gly Pro Pro Arg Met Ala Asp Lys Val Val  
34 20 25 30  
37 Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg Leu Gln Cys Pro  
38 35 40 45  
41 Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg  
42 50 55 60  
45 Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu  
46 65 70 75 80  
49 Lys Val Lys Glu Val Ala Glu Asp Ala Gly Val Tyr Val Cys Lys  
50 85 90 95  
53 Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Ile Ile  
54 100 105 110  
57 Met Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro Gly Pro Gly Gly Ser  
58 115 120 125  
61 Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln Trp Ala Arg Pro Arg  
62 130 135 140  
65 Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val Ile Ala Arg Pro Val  
66 145 150 155 160  
69 Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser Gly His Pro Arg Pro  
70 165 170 175  
73 Asp Ile Met Trp Met Lys Asp Asp Gln Thr Leu Thr His Leu Glu Ala  
74 180 185 190  
77 Ser Glu His Arg Lys Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Lys  
78 195 200 205  
81 Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Lys Ala Gly  
82 210 215 220  
85 Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser  
86 225 230 235 240

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89 Lys Pro Val Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe  
 90 245 250 255  
 93 Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro  
 94 260 265 270  
 97 Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu Gly Arg His  
 98 275 280 285  
 101 Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr  
 102 290 295 300  
 105 Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu  
 106 305 310 315 320  
 109 Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly  
 110 325 330 335  
 113 Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu  
 114 340 345 350  
 117 Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala Ser Ser Ser Ser  
 118 355 360 365  
 121 Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val  
 122 370 375 380  
 125 Phe Ile Leu Gly Thr Val Leu Leu Trp Leu Cys Gln Thr Lys Lys Lys  
 126 385 390 395 400  
 129 Pro Cys Ala Pro Ala Ser Thr Leu Pro Val Pro Gly His Arg Pro Pro  
 130 405 410 415  
 133 Gly Thr Ser Arg Glu Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala  
 134 420 425 430  
 137 Val Gly Ile Cys Glu Glu His Gly Ser Ala Met Ala Pro Gln His Ile  
 138 435 440 445  
 141 Leu Ala Ser Gly Ser Thr Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr  
 142 450 455 460  
 145 Thr Asp Val His Thr His Thr His Thr His Thr Cys Thr His Thr Leu  
 146 465 470 475 480  
 149 Ser Cys Gly Gly Gln Gly Ser Ser Thr Pro Ala Cys Pro Leu Ser Val  
 150 485 490 495  
 153 Leu Asn Thr Ala Asn Leu Gln Ala Leu Cys Pro Glu Val Gly Ile Trp  
 154 500 505 510  
 157 Gly Pro Arg Gln Gln Val Gly Arg Ile Glu Asn Asn Gly Gly Arg Val  
 158 515 520 525  
 161 Ser  
 165 <210> SEQ ID NO: 2  
 166 <211> LENGTH: 438  
 167 <212> TYPE: PRT  
 168 <213> ORGANISM: Mus musculus  
 170 <400> SEQUENCE: 2  
 172 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Gly Ala Leu Pro  
 173 1 5 10 15  
 176 Ser Ala Glu Ala Ala Arg Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro  
 177 20 25 30  
 180 Gly Pro Gly Gly Ser Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln  
 181 35 40 45  
 184 Trp Ala Arg Pro Arg Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val

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185	50	55	60	
188	Ile Ala Arg Pro Val Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser			
189	65	70	75	80
192	Gly His Pro Arg Pro Asp Ile Met Trp Met Lys Asp Asp Gln Thr Leu			
193	85	90	95	
196	Thr His Leu Glu Ala Ser Glu His Arg Lys Lys Lys Trp Thr Leu Ser			
197	100	105	110	
200	Leu Lys Asn Leu Lys Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val			
201	115	120	125	
204	Ser Asn Lys Ala Gly Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile			
205	130	135	140	
208	Gln Arg Thr Arg Ser Lys Pro Val Leu Thr Gly Thr His Pro Val Asn			
209	145	150	155	160
212	Thr Thr Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg			
213	165	170	175	
216	Ser Asp Val Lys Pro Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly			
217	180	185	190	
220	Ser Glu Gly Arg His Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe			
221	195	200	205	
224	Val Val Leu Pro Thr Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr			
225	210	215	220	
228	Leu Asn Lys Leu Leu Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met			
229	225	230	235	240
232	Tyr Ile Cys Leu Gly Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala			
233	245	250	255	
236	Phe Leu Thr Val Leu Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala			
237	260	265	270	
240	Ser Ser Ser Ser Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile			
241	275	280	285	
244	Pro Ala Gly Ala Val Phe Ile Leu Gly Thr Val Leu Leu Trp Leu Cys			
245	290	295	300	
248	Gln Thr Lys Lys Pro Cys Ala Pro Ala Ser Thr Leu Pro Val Pro			
249	305	310	315	320
252	Gly His Arg Pro Pro Gly Thr Ser Arg Glu Arg Ser Gly Asp Lys Asp			
253	325	330	335	
256	Leu Pro Ser Leu Ala Val Gly Ile Cys Glu Glu His Gly Ser Ala Met			
257	340	345	350	
260	Ala Pro Gln His Ile Leu Ala Ser Gly Ser Thr Ala Gly Pro Lys Leu			
261	355	360	365	
264	Tyr Pro Lys Leu Tyr Thr Asp Val His Thr His Thr His Thr His Thr			
265	370	375	380	
268	Cys Thr His Thr Leu Ser Cys Gly Gly Gln Gly Ser Ser Thr Pro Ala			
269	385	390	395	400
272	Cys Pro Leu Ser Val Leu Asn Thr Ala Asn Leu Gln Ala Leu Cys Pro			
273	405	410	415	
276	Glu Val Gly Ile Trp Gly Pro Arg Gln Gln Val Gly Arg Ile Glu Asn			
277	420	425	430	
280	Asn Gly Gly Arg Val Ser			
281	435			

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284 <210> SEQ ID NO: 3  
 285 <211> LENGTH: 504  
 286 <212> TYPE: PRT  
 287 <213> ORGANISM: Homo sapiens  
 289 <400> SEQUENCE: 3  
 291 Met Thr Pro Ser Pro Leu Leu Leu Leu Pro Pro Leu Leu Leu  
 292 1 5 10 15  
 293 Gly Ala Phe Pro Pro Ala Ala Ala Arg Gly Pro Pro Lys Met Ala  
 294 20 25 30  
 295 Asp Lys Val Val Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg  
 296 35 40 45  
 297 Leu Gln Cys Pro Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr  
 298 50 55 60  
 299 Lys Asp Gly Arg Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu  
 300 65 70 75 80  
 301 Pro Gln Gly Leu Lys Val Lys Gln Val Glu Arg Glu Asp Ala Gly Val  
 302 85 90 95  
 303 Tyr Val Cys Lys Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr  
 304 100 105 110  
 305 Thr Leu Val Val Leu Asp Asp Ile Ser Pro Gly Lys Glu Ser Leu Gly  
 306 115 120 125  
 307 Pro Asp Ser Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln Trp  
 308 130 135 140  
 309 Ala Arg Pro Arg Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val Ile  
 310 145 150 155 160  
 311 Ala Arg Pro Val Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser Gly  
 312 165 170 175  
 313 His Pro Arg Pro Asp Ile Thr Trp Met Lys Asp Asp Gln Ala Leu Thr  
 314 180 185 190  
 315 Arg Pro Glu Ala Ala Glu Pro Arg Lys Lys Lys Trp Thr Leu Ser Leu  
 316 195 200 205  
 317 Lys Asn Leu Arg Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val Ser  
 318 210 215 220  
 319 Asn Arg Ala Gly Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile Gln  
 320 225 230 235 240  
 321 Arg Thr Arg Ser Lys Pro Val Leu Thr Gly Thr His Pro Val Asn Thr  
 322 245 250 255  
 323 Thr Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser  
 324 260 265 270  
 325 Asp Val Lys Pro Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ala  
 326 275 280 285  
 327 Glu Gly Arg His Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val  
 328 290 295 300  
 329 Val Leu Pro Thr Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu  
 330 305 310 315 320  
 331 Asn Lys Leu Leu Ile Thr Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr  
 332 325 330 335  
 333 Ile Cys Leu Gly Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe  
 334 340 345 350

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379 Leu Thr Val Leu Pro Asp Pro Lys Pro Pro Gly Pro Pro Val Ala Ser  
380 355 360 365  
383 Ser Ser Ser Ala Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile Pro  
384 370 375 380  
387 Ala Gly Ala Val Phe Ile Leu Gly Thr Leu Leu Leu Trp Leu Cys Gln  
388 385 390 395 400  
391 Ala Gln Lys Lys Pro Cys Thr Pro Ala Pro Ala Pro Pro Leu Pro Gly  
392 405 410 415  
395 His Arg Pro Pro Gly Thr Ala Arg Asp Arg Ser Gly Asp Lys Asp Leu  
396 420 425 430  
399 Pro Ser Leu Ala Ala Leu Ser Ala Gly Pro Gly Val Gly Leu Cys Glu  
400 435 440 445  
403 Glu His Gly Ser Pro Ala Ala Pro Gln His Leu Leu Gly Pro Gly Pro  
404 450 455 460  
407 Val Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr Thr Asp Ile His Thr  
408 465 470 475 480  
411 His Thr His Thr His Ser His Thr His Ser His Val Glu Gly Lys Val  
412 485 490 495  
415 His Gln His Ile His Tyr Gln Cys  
416 500

**VERIFICATION SUMMARY**

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number